

SEQUENCE LISTING

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<110> Masayoshi Yamaguchi

<120> Hyperlipidemia/Hyperalbuminemia Model Animal

<130> 4439-4042

<150> JP2003-374098

<151> 2003-11-04

<160> 4

<170> PatentIn Ver. 2.1

<210> 1

<211> 900

<212> DNA

<213> Rattus norvegicus

<220>

<221> CDS

<222> (1)..(900)

<400> 1

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Met	Ser	Ser	Ile	Lys	Ile	Glu	Cys	Val	Leu	Arg	Glu	Asn	Tyr	Arg	Cys		
1					5				10						15		

ggg	gag	tcc	cct	gtg	tgg	gag	gag	gca	tca	aag	tgt	ctg	ctg	ttt	gta		96
Gly	Glu	Ser	Pro	Val	Trp	Glu	Glu	Ala	Ser	Lys	Cys	Leu	Leu	Phe	Val		
20					25					30							

gac	atc	cct	tca	aag	act	gtc	tgc	cga	tgg	gat	tcg	atc	agc	aat	cga		144
Asp	Ile	Pro	Ser	Lys	Thr	Val	Cys	Arg	Trp	Asp	Ser	Ile	Ser	Asn	Arg		
35					40					45							

gtg	cag	cga	gtt	ggt	gta	gat	gcc	cca	gtc	agt	tca	gtg	gca	ctt	cga		192
Val	Gln	Arg	Val	Gly	Val	Asp	Ala	Pro	Val	Ser	Ser	Val	Ala	Leu	Arg		
50					55					60							

cag	tca	gga	ggc	tat	gtt	gcc	acc	att	gga	acc	aag	ttc	tgt	gct	ttg		240
Gln	Ser	Gly	Gly	Tyr	Val	Ala	Thr	Ile	Gly	Thr	Lys	Phe	Cys	Ala	Leu		
65					70				75						80		

aac	tgg	gaa	gat	caa	tca	gta	ttt	atc	cta	gcc	atg	gtg	gat	gaa	gat		288
Asn	Trp	Glu	Asp	Gln	Ser	Val	Phe	Ile	Leu	Ala	Met	Val	Asp	Glu	Asp		
85					90					95							

aag	aaa	aac	aat	cga	ttc	aat	gat	ggg	aag	gtg	gat	cct	gct	ggg	aga		336
Lys	Lys	Asn	Asn	Arg	Phe	Asn	Asp	Gly	Lys	Val	Asp	Pro	Ala	Gly	Arg		
100					105					110							

tac	ttt	gct	ggt	acc	atg	gct	gag	gaa	acc	gcc	cca	gct	gtt	ctg	gag		384
Tyr	Phe	Ala	Gly	Thr	Met	Ala	Glu	Glu	Thr	Ala	Pro	Ala	Val	Leu	Glu		
115					120					125							

cgg	cac	caa	ggg	tcc	ttg	tac	tcc	ctt	ttt	cct	gat	cac	agt	gtg	aag		432
Arg	His	Gln	Gly	Ser	Leu	Tyr	Ser	Leu	Phe	Pro	Asp	His	Ser	Val	Lys		
130					135					140							

aaa	tac	ttt	aac	caa	gtg	gat	atc	tcc	aat	ggt	ttg	gat	tgg	tcc	ctg		480
Lys	Tyr	Phe	Asn	Gln	Val	Asp	Ile	Ser	Asn	Gly	Leu	Asp	Trp	Ser	Leu		

Sequence Listing 4439-4042.txt

145	150	155	160	
gac cat aaa atc ttc tac tac att gac	agc ctg tcc tac act gtg gat			528
Asp His Lys Ile Phe Tyr Tyr Ile Asp	Ser Leu Ser Tyr Thr Val Asp			
165	170		175	
gcc ttt gac tat gac ctg cca aca gga	cag att tcc aac cgc agg act			576
Ala Phe Asp Tyr Asp Leu Pro Thr Gly	Gln Ile Ser Asn Arg Arg Thr			
180	185		190	
gtt tac aag atg gaa aaa gat gaa	caa atc cca gat gga atg tgc att			624
Val Tyr Lys Met Glu Lys Asp Glu Gln	Ile Pro Asp Gly Met Cys Ile			
195	200		205	
gat gtt gag ggg aag ctt tgg gtg gcc	tgt tac aat gga gga aga gta			672
Asp Val Glu Gly Lys Leu Trp Val Ala	Cys Tyr Asn Gly Gly Arg Val			
210	215		220	
att cgc cta gat cct gag aca ggg aaa	aga ctg caa act gtg aag ttg			720
Ile Arg Leu Asp Pro Glu Thr Gly Lys	Arg Leu Gln Thr Val Lys Leu			
225	230		235	
cct gtt gat aaa aca act tca tgc tgc	ttt gga ggg aag gat tac tct			768
Pro Val Asp Lys Thr Thr Ser Cys Cys	Phe Gly Gly Lys Asp Tyr Ser			
245	250		255	
gaa atg tac gtg aca tgc tgc	ttt gga ggg aag gat tac tct			816
Glu Met Tyr Val Thr Cys Ala Arg Asp	Gly Met Ser Ala Glu Gly Leu			
260	265		270	
ttg agg cag cct gat gct ggt aac	att ttc aag ata aca ggt ctt ggg			864
Leu Arg Gln Pro Asp Ala Gly Asn Ile	Phe Lys Ile Thr Gly Leu Gly			
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gtc aaa gga att gct cca tat tcc tat	gca ggg taa			900
Val Lys Gly Ile Ala Pro Tyr Ser Tyr	Ala Gly			
290	295			

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 <211> 299
 <212> PRT
 <213> Rattus norvegicus

<400> 2
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 Gly Glu Ser Pro Val Trp Glu Glu Ala Ser Lys Cys Leu Leu Phe Val
 20 25 30
 Asp Ile Pro Ser Lys Thr Val Cys Arg Trp Asp Ser Ile Ser Asn Arg
 35 40 45
 Val Gln Arg Val Gly Val Asp Ala Pro Val Ser Ser Val Ala Leu Arg
 50 55 60
 Gln Ser Gly Gly Tyr Val Ala Thr Ile Gly Thr Lys Phe Cys Ala Leu
 65 70 75 80
 Asn Trp Glu Asp Gln Ser Val Phe Ile Leu Ala Met Val Asp Glu Asp
 85 90 95
 Lys Lys Asn Asn Arg Phe Asn Asp Gly Lys Val Asp Pro Ala Gly Arg
 100 105 110
 Tyr Phe Ala Gly Thr Met Ala Glu Glu Thr Ala Pro Ala Val Leu Glu
 115 120 125
 Arg His Gln Gly Ser Leu Tyr Ser Leu Phe Pro Asp His Ser Val Lys
 130 135 140

Sequence Listing 4439-4042.txt

Lys Tyr Phe Asn Gln Val Asp Ile Ser Asn Gly Leu Asp Trp Ser Leu
145 150 155 160
Asp His Lys Ile Phe Tyr Tyr Ile Asp Ser Leu Ser Tyr Thr Val Asp
165 170 175
Ala Phe Asp Tyr Asp Leu Pro Thr Gly Gln Ile Ser Asn Arg Arg Thr
180 185 190
Val Tyr Lys Met Glu Lys Asp Glu Gln Ile Pro Asp Gly Met Cys Ile
195 200 205
Asp Val Glu Gly Lys Leu Trp Val Ala Cys Tyr Asn Gly Gly Arg Val
210 215 220
Ile Arg Leu Asp Pro Glu Thr Gly Lys Arg Leu Gln Thr Val Lys Leu
225 230 235 240
Pro Val Asp Lys Thr Thr Ser Cys Cys Phe Gly Gly Lys Asp Tyr Ser
245 250 255
Glu Met Tyr Val Thr Cys Ala Arg Asp Gly Met Ser Ala Glu Gly Leu
260 265 270
Leu Arg Gln Pro Asp Ala Gly Asn Ile Phe Lys Ile Thr Gly Leu Gly
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Val Lys Gly Ile Ala Pro Tyr Ser Tyr Ala Gly
290 295

<210> 3

<211> 24

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:Primer huRC-1

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<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:Primer huRC-2

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23